Experiment Number: 96015-03 Test Type: 90-DAY Route: DOSED WATER Species/Strain: Rat/F 344/N P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Water disinfection byproducts (Dibromoacetonitrile)
CAS Number: 3252-43-5

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:35

First Dose M/F: NA / NA

Lab: SRI

**C Number:** C96015

**Lock Date:** 07/20/2001

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER Species/Strain: Rat/F 344/N

Test Type: 90-DAY

**CAS Number:** 3252-43-5

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:35

Lab: SRI

F 344/N Rat Male	DAY ON TEST	0	0 0	0 0	0 0	0 0	0 0	0	0	0	0 0 9	
0 MG/L		3	3	3	3	3	3	3	3	3	3	

	Y ON TEST	0	0	0	0	0	0	0	0	0	0			
F 344/N Rat Male		g	ğ	9	9	9	9	9	9	9	9			
0 MG/L		3	3	3	3	3	3	3	3	3	3			
	ANIMAL ID	0 0 0 0	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1	*TO	ΣTΑ	LS_
Alimentary System														
Esophagus		+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum		+	+	+	+	+	+	+	+	+	+	10		
Liver		+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic Cell Proliferation		1			1								2	1.0
Inflammation, Chronic, Focal							1						1	1.0
Mesentery										+		1		
Fat, Necrosis, Focal										2			1	2.0
Pancreas		+	+	+	+	+	+	+	+	+	+	10		
Acinus, Atrophy						1							1	1.0
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10		
Parotid GI, Basophilic Focus			1	1	1	1			1	1			6	1.0
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10		
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10		
Cyst		1				1							2	1.0
Cardiovascular System														

M .. Missing tissue

**Blood Vessel** 

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

10

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Time Report Requested: 17:34:35

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Lab: SRI

F 344/N Rat Male 0 MG/L	DAY ON TEST  ANIMAL ID	0 9 3 0 0 0 0	0 9 3 0 0 0 0 2	0 9 3 0 0 0 0 3	0 9 3 0 0 0 0 4	0 9 3 0 0 0 0 5	0 9 3 0 0 0 0 6	0 9 3 0 0 0 0 7	0 9 3 0 0 0 0 8	0 9 3 0 0 0 0 9	0 9 3 0 0 0 1	*TC	тА	LS
Heart		+	+	+	+	+	+	+	+	+	+	10		
Cardiomyopathy, Focal		1	1				1	1		1	2		6	1.2
Endocrine System														
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10		
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
General Body System														
NONE														
Genital System														
Epididymis		+	+	+	+	+	+	+	+	+	+	10		
Preputial Gland		+	+	+	+	+	+	+	+	+	+	10		
Prostate		+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	10		
Testes		+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic System														
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10		
Lymph Node				+								1		
Pancreatic, Hemorrhage				2									1	2.0
Lymph Node, Mandibular		М	M	M	M	M	M	M	M	+	М	1		

M .. Missing tissue

A .. Autolysis precludes evaluation

I .. Insufficient tissue

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

BLANK .. Not examined microscopically

<sup>1-4 ..</sup>Lesion qualified as:

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER **CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 F 344/N Rat Male 9 9 9 9 9 9 9 9 9 3 3 3 3 3 3 3 3 3 3 0 MG/L 0 0 0 0 0 0 0 0 0 0 ANIMAL ID Ö Õ Õ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 0 Ŏ 0 0 0 0 0 9 1 7 \*TOTALS Lymph Node, Mandibular M M M M M Μ Μ Μ 1 + Ectasia 1.0 Lymph Node, Mesenteric 10 Spleen 10 **Thymus** 10 **Integumentary System** Mammary Gland 10 Skin 10 **Musculoskeletal System** Bone 10 **Nervous System** Brain 10 **Respiratory System** Lung 10 Alveolus, Infiltration Cellular, Histiocyte, 1.0 Focal Arteriole, Mineralization, Focal 1.0 10 Nose Trachea 10

**Special Senses System** 

M .. Missing tissue

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:35

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER CAS Number: 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

DAY ON TEST F 344/N Rat Male 3 0 MG/L 0 0 ANIMAL ID Ō 1 3 5 6 Ō 7 \*TOTALS Eye Harderian Gland **Urinary System** Kidney Nephropathy 1.0 Urinary Bladder 

M ..Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:35

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Water disinfection byproducts (Dibromoacetonitrile) **CAS Number:** 3252-43-5

Route: DOSED WATER

Species/Strain: Rat/F 344/N

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:35

First Dose M/F: NA / NA

Lab: SRI

F 344	/N	Rat	Male
12.5	V	IG/L	

Test Type: 90-DAY

1										
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
V VIIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Alimentary System** 

Liver + + 2

Hepatodiaphragmatic Nodule 2 2 2.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

r: 3252-43-5 First Dose M/F: NA / NA

Lab: SRI

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:35

F 344/	N Rat	Male
12.5	MG/L	

DAY ON TEST	0	0	0	0	0	0	0	0	a	a
DATONILST	-	U	U	U	U	U	U	U	U	U
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
AMINAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

Test Type: 90-DAY

0 0 0

9 3 9 9 9

0 0 0 0

Õ

0 2 7

2

0 0

> 3 3 3

0 0

Ō

0 2 9

0

0 3

Species/Strain: Rat/F 344/N

**CAS Number:** 3252-43-5

	DAY ON TEST	0	0	0	0	0	0
F 344/N Rat Male		0	0	0	0	0	0
		9	9	9	9	9	9
25 MG/L		3	3	3	3	3	3
	ANIMAL ID	0	0	0	0	0	0
	AMINAL ID	0	0	0	0	0	0
		0	0	0	0	0	0
		2	2	2	2	2	2
		1	2	3	4	5	6

\*TOTALS

**Alimentary System** 

Liver Hepatodiaphragmatic Nodule

2.0 1

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Thymus

2 2.0 Hemorrhage

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Page 8

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:35

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

**CAS Number:** 3252-43-5

Time Report Requested: 17:34:35

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: SRI

F	3	344/	Ν	Rat	Male
2	5	MG	i/L	-	

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
V VIII V V I I I	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER **CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:35

Lab: SRI

F 344/N Rat Male 50 MG/L

Test Type: 90-DAY

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
V VIIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

F 344/N Rat Male 50 MG/L

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
V VIII VIVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

2 2.0

**Respiratory System** 

Lung Alveolus, Hemorrhage

2 2

2

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:35

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

Species/Strain: Rat/F 344/N

**CAS Number:** 3252-43-5

First Dose M/F: NA / NA Lab: SRI

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:35

DAY ON TEST

F 344/N Rat Male 100 MG/L

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

DAY ON TEST

Time Report Requested: 17:34:35

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 100 MG/L

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER Species/Strain: Rat/F 344/N

Test Type: 90-DAY

**CAS Number:** 3252-43-5

Lab: SRI

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:35

First Dose M/F: NA / NA

	_									
	DAY ON TEST	0	0	0	0	0	0	0	0	0
F 344/N Rat Male 200 MG/L		<i>0 9 3</i>	<i>0</i> <i>9</i> <i>3</i>	0 9 3	0 9 3	9 3	0 9 3	0 9 3	0 9 3	9
	ANIMAL ID	0 0 0 5	0 0 0 5	0 0 0 5						
		1	2	3	4	5	6	7	8	9
Alimentary System										
Ecophagus										

ZUU WIG/L		, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	9			
	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	*TO	та	LS
Alimentary System														
Esophagus		+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum		+	+	+	+	+	+	+	+	+	+	10		
Liver		+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic Cell Proliferation		1							1	1			3	1.0
Inflammation, Chronic, Focal							1						1	1.0
Pancreas		+	+	+	+	+	+	+	+	+	+	10		
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10		
Parotid GI, Basophilic Focus		1	1		1		1		1				5	1.0
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10		
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10		
Cardiovascular System														
Blood Vessel		+	+	+	+	+	+	+	+	+	+	10		
Heart		+	+	+	+	+	+	+	+	+	+	10		

Cardiomyopathy, Focal

M .. Missing tissue

A .. Autolysis precludes evaluation

I .. Insufficient tissue

**Endocrine System** 

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

6 1.0

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

F 344/N Rat Male 200 MG/L	DAY ON TEST  ANIMAL ID	0 9 3 0 0	0 9 3 0 0	0 0 9 3 0 0	0 0 9 3 0 0	0 0 9 3 0 0	0 0 9 3 0 0	0 9 3 0 0	0 9 3 0 0	0 9 3 0 0	0 9 3 0 0			
		5	5 2	5	5 4	5 5	5	5 7	5 8	5 9	6	*TC	ТА	LS
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10		
Fibrosis, Focal						2							1	2.0
Mineralization, Focal						2							1	2.0
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Pars Distalis, Cyst									1				1	1.0
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
General Body System														
NONE														
Genital System														
Epididymis		+	+	+	+	+	+	+	+	+	+	10		
Preputial Gland		+	+	+	+	+	+	+	+	+	+	10		
Prostate		+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	10		
Testes		+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic System														
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10		
Lymph Node									+			1		
Pancreatic, Hemorrhage									1				1	1.0
Lymph Node, Mandibular		М	М	M	M	+	M	М	M	+	М	2		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:35

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Water disinfection byproducts (Dibromoacetonitrile) **CAS Number:** 3252-43-5

Route: DOSED WATER

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

F 344/N Rat Male 200 MG/L	DAY ON TEST	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3			
	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	00060	*TO	TA	LS_
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		
Spleen		+	+	+	+	+	+	+	+	+	+	10		
Thymus		+	+	+	+	+	+	+	+	+	+	10		
Integumentary System														
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10		
Skin		+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System														
Bone		+	+	+	+	+	+	+	+	+	+	10		
Nervous System														
Brain		+	+	+	+	+	+	+	+	+	+	10		
Respiratory System														
Lung		+	+	+	+	+	+	+	+	+	+	10		
Alveolus, Infiltration Cellul Focal	ar, Histiocyte,									1			1	1.0
Nose		+	+	+	+	+	+	+	+	+	+	10		
Trachea		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System														
Eye		+	+	+	+	+	+	+	+	+	+	10		
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10		
Urinary System														

M ..Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**CAS Number:** 3252-43-5

\*\*\*END OF MALE DATA\*\*\*

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:36

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Male 200 MG/L	DAY ON TEST	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3			
	ANIMAL ID	0 0 0 5 1	00052	0 0 0 5 3	0 0 0 5 4	00055	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	00059	0 0 0 6 0	*TO	та	LS_
Kidney		+	+	+	+	+	+	+	+	+	+	10		
Nephropathy		1			1	1		1		1			5	1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10		

M .. Missing tissue

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Route: DOSED WATER

DAY ON TEST F 344/N Rat Female 0 MG/L ANIMAL ID Õ Õ Õ Ō 5 8 9 \*TOTALS **Alimentary System** Esophagus Intestine Large, Cecum Intestine Large, Colon Intestine Large, Rectum Intestine Small, Duodenum Intestine Small, Ileum Intestine Small, Jejunum Liver Hematopoietic Cell Proliferation 1.3 Inflammation, Chronic, Focal 1.0 Necrosis, Focal 1.0 **Pancreas** Salivary Glands Parotid GI, Basophilic Focus 3 1.0 Stomach, Forestomach Stomach, Glandular Mineralization, Focal 1.0 Cardiovascular System **Blood Vessel** Heart Cardiomyopathy, Focal 1.0

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

]	DAY ON TEST	0	0	0	0	0	0	0	0	0	0			
F 344/N Rat Female		<i>0</i> <i>9</i>	9	9	9	9	9	9	9	9	9			
0 MG/L		3	3	3	3	3	3	3	3	3	3			
	ANIMAL ID	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	0 0 0 6 9	0 0 0 7 0	*TC	ΤΑ	LS
Endocrine System														
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10		
Accessory Adrenal Cortical N	odule								1				1	1.0
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland		+	+	+	+	+	+	M	+	+	+	9		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Pars Distalis, Cyst							1						1	1.0
Rathkes Cleft, Cyst											2		1	2.0
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
General Body System														
NONE														
Genital System														
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10		
Ovary		+	+	+	+	+	+	+	+	+	+	10		
Cyst											2		1	2.0
Uterus		+	+	+	+	+	+	+	+	+	+	10		
Hydrometra					2		2				2		3	2.0
Hematopoietic System														
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10		
Lymph Node					+							1		
Pancreatic, Hemorrhage					2								1	2.0

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: DOSED WATER

F 344/N Rat Female 0 MG/L	DAY ON TEST	0 0 9 3												
	ANIMAL ID	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	0 0 0 6 9	0 0 0 7 0	*TC	TΑ	<u>LS</u>
Pancreatic, Hemorrhage					2								1	2.0
Lymph Node, Mandibular		+	М	М	М	M	М	М	М	М	M	1		
Ectasia		2											1	2.0
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		
Spleen		+	+	+	+	+	+	+	+	+	+	10		
Thymus		+	+	+	+	+	+	+	+	+	+	10		
Integumentary System														
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10		
Skin		+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System														
Bone		+	+	+	+	+	+	+	+	+	+	10		
Nervous System														
Brain Respiratory System		+	+	+	+	+	+	+	+	+	+	10		
												4.0		
Lung	outo Food	+	+	+	+	+ 1	+	+ 1	+	+	+	10	3	1.0
Infiltration Cellular, Lympho	ocyte, Focai									1		10	3	1.0
Trachea		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System		Т	т	т	T	т	T	T	T	т	т	10		
Eye		+	+	+	+	+	+	+	+	+	+	10		

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion presentI ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile) **CAS Number:** 3252-43-5

Route: DOSED WATER

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

Lab: SRI

F 344/N Rat Female

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

DAY ON TEST 3 0 0 0 0 6 8 ANIMAL ID Õ 0 6 5 4 9 7 Ö

\*TOTALS

Harderian Gland **Urinary System** 

0 MG/L

Kidney Urinary Bladder 

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER CAS Number: 3252-43-5

Species/Strain: Rat/F 344/N

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:36

First Dose M/F: NA / NA

Lab: SRI

F 344	/N Rat Female
12.5	MG/L

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
VEHINAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

Uterus +

Hydrometra 2 1 2.0

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

F 344/N Rat Female

Test Type: 90-DAY

12.5 MG/L

Route: DOSED WATER

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 3 9 9 9 9 9 9 3 3 3 3 3 3 3 3 0 0 0 0 0 0 0 0 7 2 0 0 0 7 5 0 0 0 7 8 0 ANIMAL ID Õ 0 0 0 0 0 7 0 7 0 7 9 0 7 6 0 7 7 0 0 7 8

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER **CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

F 344/N Rat Female

DAY ON TEST 0

0 0 0 0 0 0 0 0 0 0 0 0 0 9 3 9 9 9 9 9 9 9 3 3 3 3 3 3 3 3 3 0 0 0 0 0 0 0 0 0 0 8 2 0 0 0 8 8 0 ANIMAL ID Õ 0 0 0 0 0 0 0 0 0 0 0 0

8

8 5 8 8

8

\*TOTALS

8

9

**Alimentary System** 

Liver

8

2 2.0 Hepatodiaphragmatic Nodule 1

**Cardiovascular System** 

NONE

25 MG/L

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node

2.0 Pancreatic, Hemorrhage

**Integumentary System** 

NONE

Musculoskeletal System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

Lab: SRI

Page 24

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

D

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: DOSED WATER

**CAS Number:** 3252-43-5

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

Lab: SRI

F 344/N	Rat	Female
25 MG/L	-	

AY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
AMIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

Test Type: 90-DAY

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Lab: SRI

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
F 344/N Rat Female		0	0	0	0	0	0	0	0	0	0
r 344/N Kal Female		9	9	9	9	9	9	9	9	9	9
50 MG/L	L	3	3	3	3	3	3	3	3	3	3
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	ANIMALID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1
		9	9	9	9	9	9	9	9	9	0
		1	2	3	4	5	6	7	8	9	0

## **Alimentary System**

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

Uterus Hydrometra 1 2.0 **Hematopoietic System** 

Lymph Node 2.0 Pancreatic, Hemorrhage

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Time Report Requested: 17:34:36

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat Female 50 MG/L

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
V VIIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Nervous System** 

Test Type: 90-DAY

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 96015-03 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

\*TOTALS

0

3

Route: DOSED WATER CAS Number: 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

F 344/N Rat Female 100 MG/L	DAY ON TEST	0 9 3 0 0 1	0 9 3 0 0 1 0							
		1	2	3	4	5	6	7	8	9

Mesentery	+	1
Fat, Hemorrhage, Focal	2	1 2.0
Fat, Necrosis, Focal	2	1 2.0

## **Cardiovascular System**

**Alimentary System** 

NONE

**Endocrine System** 

Pituitary Gland	+	1	
Rathkes Cleft, Cyst	1	1	1.0

## **General Body System**

NONE

**Genital System** 

Uterus	+	+	2		
Hydrometra	1	2		2	1.5

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

<sup>1-4 ..</sup>Lesion qualified as:

<sup>1)</sup> Minimal 3) Moderate

<sup>2)</sup> Mild

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Species/Strain: Rat/F 344/N

Route: DOSED WATER

**CAS Number:** 3252-43-5

Date Report Requested: 10/18/2014 Time Report Requested: 17:34:36

First Dose M/F: NA / NA

Lab: SRI

F 344/N	Rat	Female
100 MG/	L/L	

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIIMAAL ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER Species/Strain: Rat/F 344/N

Test Type: 90-DAY

**CAS Number:** 3252-43-5

Lab: SRI

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

F 344/N Ra	t Female
200 MG/L	

**Alimentary System** 

344/N Rat Female 00 MG/L	ANIMAL ID	0 9 3 0 0 1 1 1	0 9 3 0 0 1 1 2	0 9 3 0 0 1 1 3	0 9 3 0 0 1 1 4	0 9 3 0 0 1 1 5	0 9 3 0 0 1 1 6	0 9 3 0 0 1 1 7	0 9 3 0 0 1 1 8	0 9 3 0 0 1 1 9	0 9 3 0 0 1 2 0	*TO	<u>TA</u>	LS	
limentary System															
Esophagus		+	+	+	+	+	+	+	+	+	+	10			
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	10			
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Small, Jejunum		+	+	+	+	+	M	+	+	+	+	9			
Liver		+	+	+	+	+	+	+	+	+	+	10			
Hematopoietic Cell Proliferation	on		1				1		1	1			4	1.0	
Inflammation, Chronic, Focal									1	1	1		3	1.0	
Pancreas		+	+	+	+	+	+	+	+	+	+	10			
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10			
Parotid GI, Basophilic Focus						1					1		2	1.0	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10			
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10			
ardiovascular System															

## Stomach, Glandular **Cardiovascular System**

Blood Vessel	+	+	+	М	+	+	+	+	+	+	9
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal				1							

**Endocrine System** 

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

1 1.0

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

F 344/N Rat Female 200 MG/L	DAY ON TEST  ANIMAL ID	0 9 3 0 0 1 1	0 9 3 0 0 1 1	0 9 3 0 0 1 1 3	0 9 3 0 0 1 1	0 0 9 3 0 0 1 1 5	0 9 3 0 0 1 1 6	0 9 3 0 0 1 1	0 9 3 0 0 1 1 8	0 9 3 0 0 1 1	0 9 3 0 0 1 2	*TC	ΣTΑ	LS_
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10		
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland		+	+	+	+	М	+	+	+	+	+	9		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Rathkes Cleft, Cyst		2											1	2.0
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
General Body System														
NONE Genital System														
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10		
Ovary		+	+	+	+	+	+	+	+	+	+	10		
Uterus		+	+	+	+	+	+	+	+	+	+	10		
Hydrometra		2				2							2	2.0
Vagina											+	1		
Cyst											2		1	2.0
Hematopoietic System														
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10		
Lymph Node				+								1		
Mediastinal, Hemorrhage				2								•	1	2.0
Lymph Node, Mandibular		M	M	М	М	M	M	М	M	М	М	0		
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:36

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER

Test Type: 90-DAY

**CAS Number:** 3252-43-5

Species/Strain: Rat/F 344/N

F 344/N Rat Female 200 MG/L	DAY ON TEST	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3			
	ANIMAL ID		0 0 1 1 2	0 0 1 1 3	0 0 1 1 4	0 0 1 1 5	0 0 1 1 6	0 0 1 1 7	0 0 1 1 8	0 0 1 1 9	0 0 1 2 0	*TO	ТА	LS_
Spleen		+	+	+	+	+	+	+	+	+	+	10		
Thymus		+	+	+	+	+	+	+	+	+	+	10		
Integumentary System														
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10		
Skin		+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System														
Bone		+	+	+	+	+	+	+	+	+	+	10		
Nervous System														
Brain		+	+	+	+	+	+	+	+	+	+	10		
Respiratory System														
Lung		+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Lymph	ocyte, Focal			1		1	1				1		4	1.0
Nose		+	+	+	+	+	+	+	+	+	+	10		
Trachea		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System														
Eye		+	+	+	+	+	+	+	+	+	+	10		
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10		
Urinary System														
Kidney		+	+	+	+	+	+	+	+	+	+	10		

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:37

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

Route: DOSED WATER Species/Strain: Rat/F 344/N

Test Type: 90-DAY

**CAS Number:** 3252-43-5

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 17:34:37

Lab: SRI

F 344/N Rat Female 200 MG/L

Urinary Bladder

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9 3	<i>9</i> 3	9	<i>9</i> 3	9	9	<i>9 3</i>	<i>9 3</i>	<i>9</i> 3	9	
ANIMAL ID			J	J	_	_					
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
	+	+	+	+	+	+	+	+	+	+	10

\*\* END OF REPORT \*\*

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue BLANK .. Not examined microscopically 1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically